BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs.	3000000.00

Name of Work: Detailed Estimate for the work of Construction of Meeting Hall in Shankarnag Park in Ward no -04 yelahanka Satellite town.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2 1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1 5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2 3.5, No 5/Item No. 2.3) SR 2018-19	cum			nk				
	coloumns for roof struss	2x8	16	0.90	0.90	1.00	12.96		
	for SSM		2	20.00	0.90	0.80	28.80		
			2	15.00	0.90	0.80	21.60		
							63.36	**322.92**	**20460.00**
	Basic Rate	299.00							
	Area Weightage @ 8%	23.92							
	Total	**322.92**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19	cum							
			Vide Item No. 1				**63.36**	**87.56**	**5548.00**
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1 28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB4.1.3. Providing and laying position plain cement concrete of Mix 1:4:8 with OPC cement @180Kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed , concrete laid in layers not exeecding 15 cms, thick, well compacted , in foundation , including cost of all materials, Labour , HOM of Machinery, Curing complete as per Specifications. Specifications No. KBS 4.1, 4.2 (P12/4 3) SR 2018-19	Cum							
	coloumns for roof struss	2x8	16	0.90	0.90	0.15	1.94		
	for SSM		2	20.00	0.75	0.15	4.50		
			2	15.00	0.75	0.15	3.38		
	for flat form floorig		1	20.00	15.00	0.15	45.00		
							54.82	**5510.16**	**302061.00**
	Basic Rate	5102.00							
	Area Weightage @ 8%	408.16							
	Total	**5510.16**							
4	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm							
	for SSM		2	20.00	0.60	0.80	19.20		
			2	15.00	0.60	0.80	14.40		
							33.60	4963.68	**166780.00**
	Basic Rate	4596.00							
	Area Weightage @ 8%	367.68							
	Total	**4963.68**							
5	Providing and laying /fixing cement base. Precast, pre polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treds of steps and landing, laid on bed of 12mm thick cement mortal 1:3 mis finished with flush pointing using white cement, including cutting griding the eges to half/full round wherever required. Labour, curing complet as per specification. Page No 108/ Item No. 14.62 / PWD SR 2018-19	Sqm							
			1	18.00		14.00	252.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							252.00	1330.56	**335301.00**
	Basic Rate	1232.00							
	Area Weightage @ 8%	98.56							
	Total	**1330.56**							
6	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications (Page No.113/Item No. 15.1)	Sqm							
			2	20.00		0.40	16.00		
			2	15.00		0.40	12.00		
							28.00	152.28	**4264.00**
	Basic Rate	141.00							
	Area Weightage @ 8%	11.28							
	Total	**152.28**							
7	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2018-19	cum							
	for flatform		1	20.00	15.00	0.30	90.00		
							90.00	**351.00**	**31590.00**
	Basic Rate	325.00							
	Area Weightage @ 8%	26.00							
	Total	**351.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4 2 2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0 69cum and fine aggregates @0 460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No KBS 4.1.4 6, No KBS 4 1.4 6, No 13/ Item No 4 11/ PWD SR 2018-19	Cum							
		2x8	16	0.90	0.90	1.00	12.96		
	for flatform		1	20.00	15.00	0.05	15.00		
							27.96	**6111.72**	**170884.00**
	Basic Rate	5659.00							
	Area Weightage @ 8%	452.72							
	Total	**6111.72**							
9	KSRB 4.9.2.providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 4.6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19	Tonne							
	65kg/cum		0.065	**12.96**			0.84		
				12.96			**0.84**	**76643.28**	**64564.00**
	Basic Rate	70966 00							
	Area Weightage @ 8%	5677.28							
	Total	**76643.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Fabricating supplying and erecting M.S TubulerTruss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded toghter with 6mm gusset plate as per drawing. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges and higher charges of mechineries for cutting welding, granding and erection equipments, with all lead and lift, transportation, etc, complete as per specification Page No 45/ I No 7 29/ PWD SR 2018-19	Kgs							
	50mm dia foundation bolts 0.45mtrs long = 16x8x0.6= 76.80rmt@2.47kg/rmtr=189.70		76.80	2.47			189.70		
	nuts 16x8 = 128 Nos @ 0.05kg/mtrs = 6.40kg		128	0.05			6.40		
	30cm base squre plate 10mm thick x 3Nos for each columns = 16x3 x0.45x0.45 =9.72@93.60kgs/sq		9.72	93.60			909.79		
	30cm dia MS pipe 6mm thick for each coloumns = 4.5mt height x 16Nos = 72 @46.30 kg/mtrs		72	46.30			3333.60		
	ISMC-125								
	16Nos x 1.80 = 28.80 @ 15 kg/mtrs		28.8	15.00			432.00		
	15mm dia MS Pipe medium grade 8Nos x 17Mtrs @ 5.03kg/mtrs		136	5.03			684.08		
	15mm dia MS Pipe medium grade 8Nos x 16Mtrs @ 5.03kg/mtrs		128	5.03			643.84		
	20mm dia medium pipe 8x 56 Nos x 0.75 @5.03kg/mtrs		336	5.03			1690.08		
	2"x2" purlins 32 Nos x 20mtrs = 640= cm dia piped purlins foundation bolts 0.45Mtrs Long =640 @ 5kg/mtrs		640	5.00			3200.00		
	2"x2" L Angle Clite 8x32x0.30 = 76.80 Mtrs for foundation 8x8x0.90 = 57.60 76.80 = 134.40 Mtrs x 2.50		134.4	1.25			168.00		
							11257.49	119.88	**1349548.00**
	Basic Rate	111.00							
	Area Weightage @ 8%	8.88							
	Total	**119.88**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses No 300/ Item No. 38.30 PWD SR 2018-19	sqm							
	GI Sheet (0.5mm)		1	15.00	20.00		300.00		
							300.00	743.04	222912.00
	Basic Rate	688.00							
	Area Weightage @ 8%	55.04							
	Total	743.04							
							Sub Total		2673912.00
							GST 12%		320869.44
									5219.00
16	Miscellaneous charges							Total	3000000.00
	(Rupees Thirty Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval
Accorded For Rs 30 lakhs only
Head of A/C P3400
CER NO :225 Dt: 2-3-19

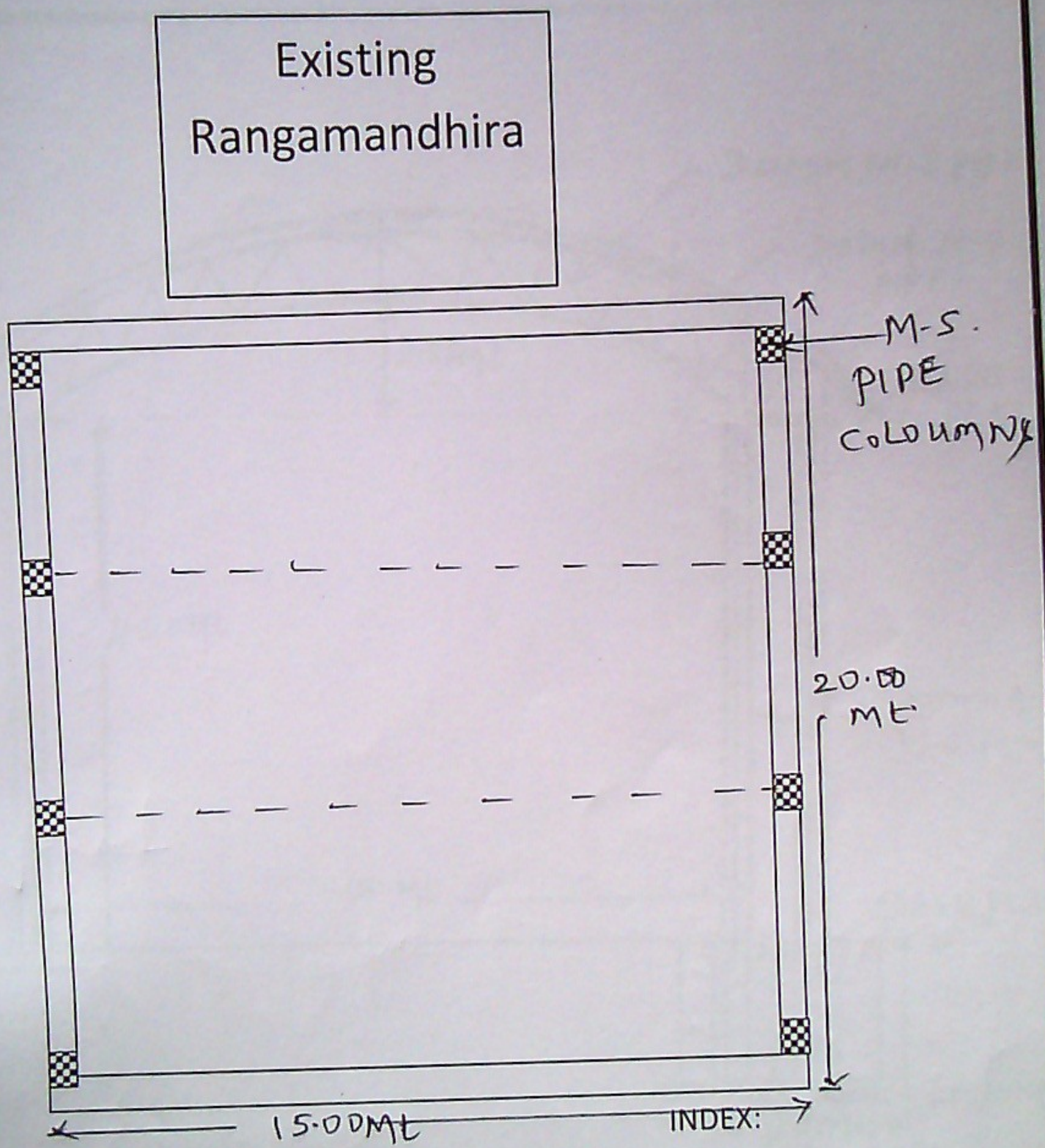
TA CE (YNK)

Technical Sanction
Accorded For Rs 30 lakhs only
Head of A/C P3400
CER NO :306 Dt: 2-3-19

TA CE (YNK)

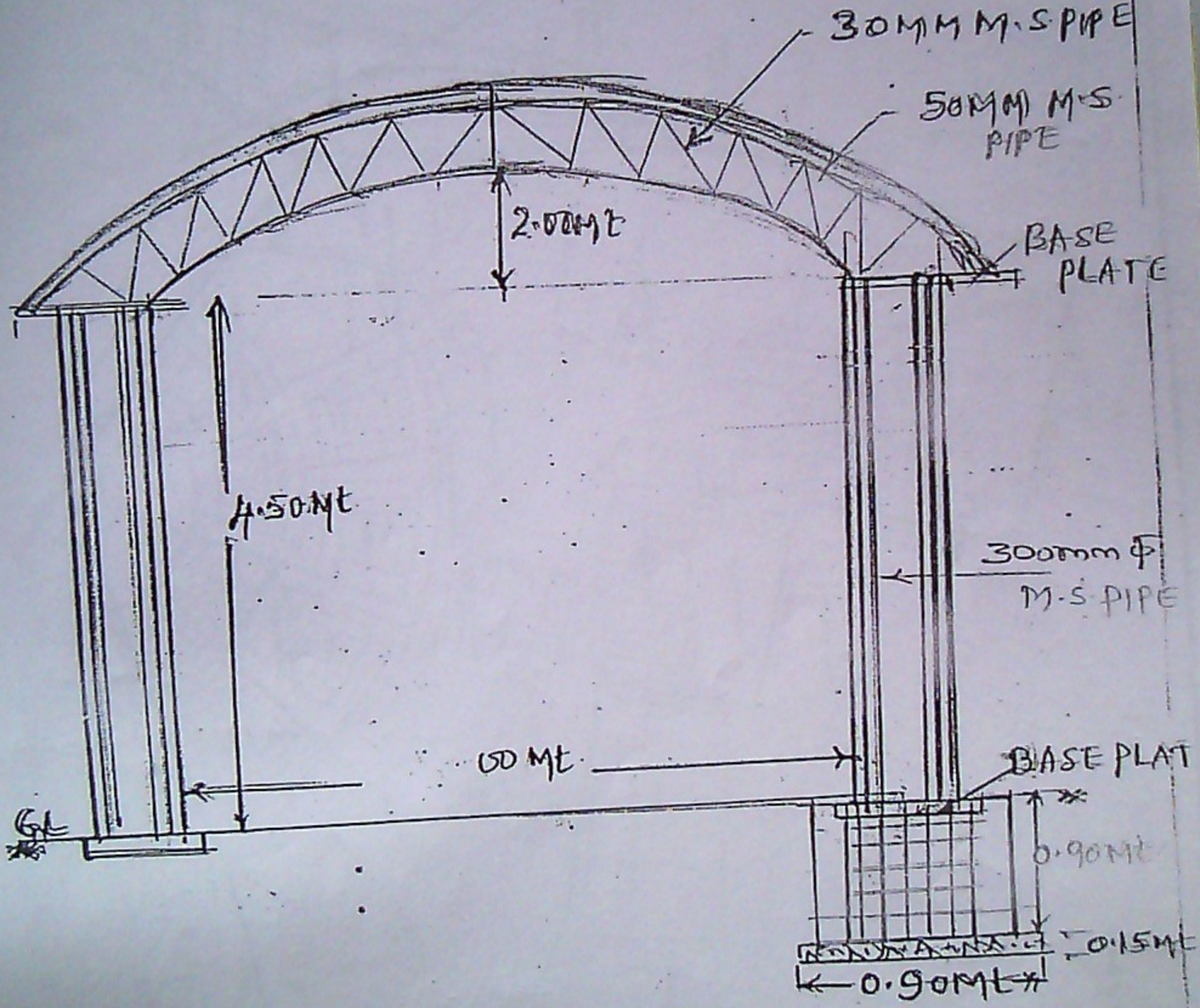
NAME OF WORK:

- Construction of Meeting Hall in Shankarnag Park in ward no -4 of yelahanka Satellite town.



A.E. Ramachandra

A.E.E.



CROSS SECTION

Ramanjeevi

Jaulin

150 - YELAHANKA AC

N

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

NOTIFICATION NO UDD 59 MLR 2009 DATE. 15.07.09